

File

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122

Revised 12-1-55

Pool Blanco Pictured Cliffs		Formation Pictured Cliffs		County San Juan	
Initial I		Annual		Special	
Company Tenneco Oil Co.		Lease State Com. L.L.		Date of Test 8-12-1966	
Unit D		Sec. 32		Twp. 30	
Casing 3.5		Wt.		Range 9	
Tubing		I.D.		Set at 2601	
From		To		GL	
Gas Pay:		L		G	
Producing Through:		Casing I		Tubing	
Date of Completion		Packer		Reservoir Temp.	
Perf.		To		Bar. Press.	
2466		2514		12.0	
Type Well - Single - Braden head - G.G. or G.O. Dual		Single			

OBSERVED DATA

Tested Through:		Prover ☐		Choke ☒		Meter ☐		Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.								1034		
2.		3/4						200	60	3 hr.
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.	12.3650		212	1.000	.9608	1021	2572
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c **3.055** (1-e^{-S}) **0.110** P_c **1046** P_c² **1094116**

No.	P _w P _t psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	P _w P _c
1.	212	44944	7857	61732	6791	51735	1042381		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2600** MCFPD; n **.85** **1.0420**COMPANY **Tenneco Oil Company** WITNESSED _____ADDRESS **P. O. Box 1714, Durango, Colorado** COMPANY _____AGENT AND TITLE **J. E. Massey**
District Production Engineer